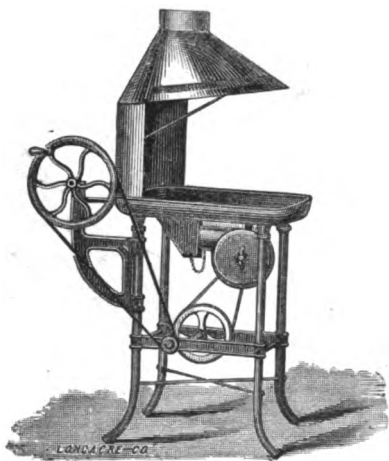
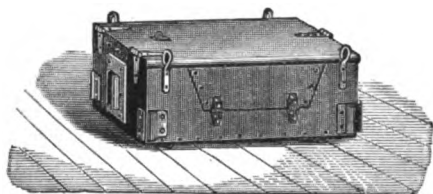
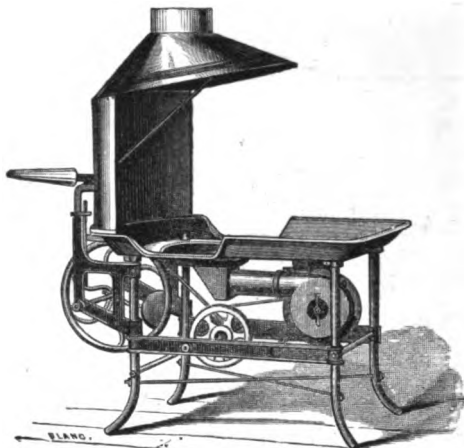
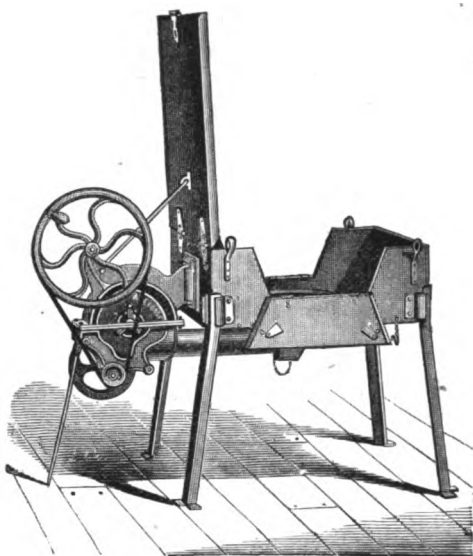


## KEYSTONE PATENT PORTABLE FORGES.



These Forges, which are now for the first time introduced into Europe, are in very general use in America, and possess many advantages over all other portable forges.

They are light, strong, durable, cheap, easily worked, and fill up but little space, and heat very rapidly.

Their fan-blast is more effective than the blast of any other forges, and is far superior in every respect to bellows.

They are made entirely of iron and steel, are fastened by bolts and nuts, and all parts are interchangeable.

The legs are of iron tubes, combining strength with lightness in the highest degree.

These Forges are especially adapted for out-door work, having no wood or leather to decay; their lightness and extreme portability render them exceedingly valuable for railway contractors' use, and iron bridge and roof building.

They are made in many different sizes, and with both lever and rotary motion.

The Navy Forge is especially adapted for use on board steamships. It packs in its own body, measuring only 22 inches  $\times$  27 inches  $\times$  10 inches. Is capable of producing a quick welding heat on 3-inch round iron, and can be set up for work or packed for transport in one minute. Like all other Keystone Forges, it has no leather or wood to decay, as it almost invariably does on board ships. These are in use in the United States Navy, and are also especially adapted for Army purposes, mining, and rough work generally. These Forges may be seen in work at 225, Upper Thames Street, London.

ROWNSON, DREW, AND CO.,

WHOLESALE AND EXPORT IRONMONGERS;

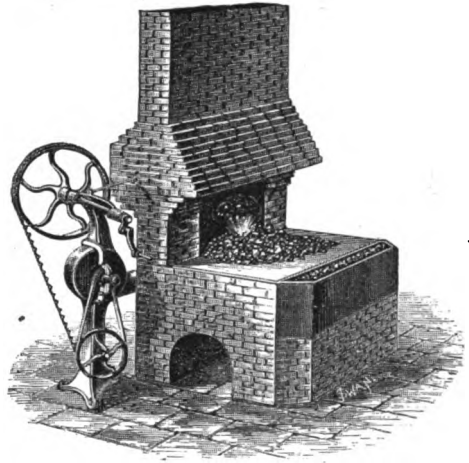
DEALERS IN CONTRACTORS' TOOLS, PLANT, AND STORES; AND CONTRACTORS FOR IRON ROOFS, BRIDGES, GIRDERS, AND IRON CONSTRUCTION GENERALLY:

225, UPPER THAMES STREET, 113, QUEEN VICTORIA STREET, AND PAUL'S WHARF, LONDON, E.C.

## CYCLOPS PATENT BLOWERS.

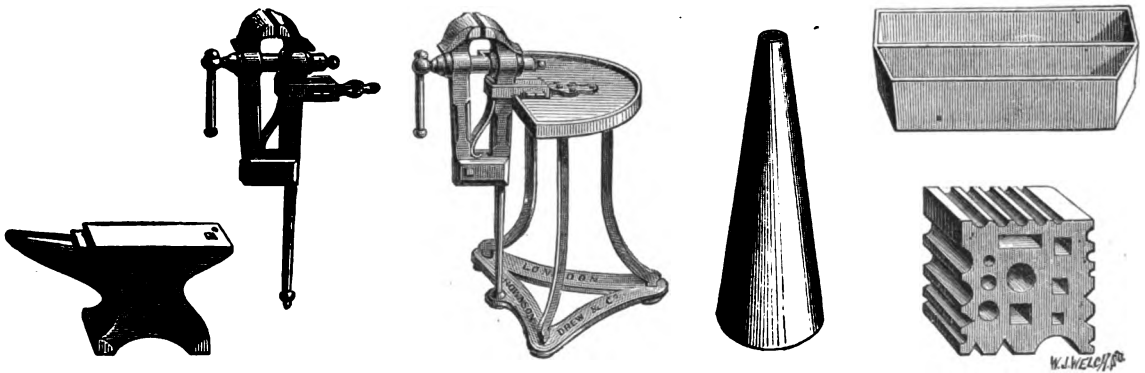
(Patented June, 1873.)

These Blowers are very compact and powerful. They are very easily fixed to any ordinary Brick Forge, and can be used either with the Patent Tuyere or with an ordinary Forge back. They take up much less room than bellows, are more easily worked, and have no leather or wood to decay. They can be worked either by hand, treadle, or overhead pulley, are fitted with Improved Patent Lubricators, geared with either chain or belt, and are made right and left hand—the Drawing shows the latter.



**PRICE COMPLETE, WITH TUYERE, £7.**

CAN BE SEEN IN WORK AT 225, UPPER THAMES STREET.



SMITHS' TOOLS OF ALL DESCRIPTIONS IN STOCK.

**ROWNSON, DREW, AND CO.,**

WHOLESALE AND EXPORT IRONMONGERS;

DEALERS IN CONTRACTORS' TOOLS, PLANT, AND STORES; AND CONTRACTORS FOR IRON ROOFS, BRIDGES, GIRDERS, AND IRON CONSTRUCTION GENERALLY:

225, UPPER THAMES STREET, 113, QUEEN VICTORIA STREET, AND PAUL'S WHARF, LONDON, E.C.

## PRICE LIST, JANUARY, 1875.

## BLACKSMITHS' FORGES.

| ROTARY.                                    | Height. | Size of Fire Pan. | Weight. | Diameter of Fan. | Price. |    |    |
|--------------------------------------------|---------|-------------------|---------|------------------|--------|----|----|
|                                            | inches. | inches.           | lb.     | inches.          | £      | s. | d. |
| Forge No. 1 .. .. .                        | 30      | 17 X 20           | 85      | 6                | 5      | 10 | 0  |
| Forge No. 1, with Hood .. .. .             | 30      | 17 „ 20           | 88      | 6                | 6      | 0  | 0  |
| Forge No. 2 .. .. .                        | 30      | 20 „ 24           | 98      | 8                | 7      | 0  | 0  |
| Forge No. 2, with Hood .. .. .             | 30      | 20 „ 24           | 104     | 8                | 8      | 0  | 0  |
| Forge No. 2½ .. .. .                       | 25      | 21 „ 27           | 130     | 8                | 9      | 0  | 0  |
| Forge No. 2½, with Hood .. .. .            | 25      | 21 „ 27           | 140     | 8                | 10     | 0  | 0  |
| Forge No. 3 .. .. .                        | 25      | 24 „ 30           | 140     | 9                | 10     | 0  | 0  |
| Forge No. 3, with Hood .. .. .             | 25      | 24 „ 30           | 150     | 9                | 11     | 5  | 0  |
| <b>LEVER.</b>                              |         |                   |         |                  |        |    |    |
| Forge No. 2½, with Lever .. .. .           | 25      | 21 „ 27           | 140     | 8                | 10     | 0  | 0  |
| Forge No. 2½, with Lever and Hood .. .. .  | 25      | 21 „ 27           | 150     | 8                | 11     | 0  | 0  |
| Forge No. 3, with Lever .. .. .            | 25      | 24 „ 30           | 150     | 9                | 12     | 0  | 0  |
| Forge No. 3, with Lever and Hood .. .. .   | 25      | 24 „ 30           | 160     | 9                | 13     | 5  | 0  |
| Forge No. 4, with Lever .. .. .            | 25      | 30 „ 40           | 185     | 9                | 14     | 0  | 0  |
| Forge No. 4, with Lever and Hood .. .. .   | 25      | 30 „ 40           | 200     | 9                | 15     | 15 | 0  |
| <b>POWER.</b>                              |         |                   |         |                  |        |    |    |
| Forge No. 2½, for Power, with Hood .. .. . | 25      | 21 „ 27           | 140     | 8                | 10     | 0  | 0  |
| Forge No. 3, for Power, with Hood .. .. .  | 25      | 24 „ 30           | 150     | 9                | 12     | 0  | 0  |
| Forge No. 4, for Power, with Hood .. .. .  | 25      | 30 „ 40           | 200     | 9                | 15     | 0  | 0  |
| Forge No. 5 (oval) .. .. .                 | 22      | 36 „ 54           | 550     | 9                | 29     | 0  | 0  |
| Forge No. 6 (circular) .. .. .             | 22      | 54 „ 54           | 600     | 9                | 32     | 0  | 0  |

If above fitted with Chain Gear, 10s. to 15s. extra.

## JEWELLERS' FORGES.

|                                      |    |         |     |   |   |    |   |
|--------------------------------------|----|---------|-----|---|---|----|---|
| Forge No. 1, with Close Hood .. .. . | 30 | 17 X 20 | 94  | 6 | 6 | 15 | 0 |
| Forge No. 2, „ „ „ .. .. .           | 30 | 20 „ 24 | 110 | 8 | 9 | 0  | 0 |

## MINERS' AND NAVY FORGES.

|                                             |    |         |     |   |    |   |   |
|---------------------------------------------|----|---------|-----|---|----|---|---|
| Miners' Forge (Chain Gear) .. .. .          | .. | 16 X 22 | 100 | 6 | 10 | 0 | 0 |
| Navy Forge (W.iron Box), Chain Gear .. .. . | 22 | 22 X 27 | 200 | 9 | 16 | 0 | 0 |

## FAN BLOWERS.

|                                                |    |    |    |    |   |    |   |
|------------------------------------------------|----|----|----|----|---|----|---|
| Fan Blower No. 1. For Round Belt .. .. .       | .. | .. | .. | 6  | 1 | 12 | 6 |
| Fan Blower No. 2. „ „ „ .. .. .                | .. | .. | .. | 8  | 2 | 0  | 0 |
| Fan Blower No. 3. For 1-inch Flat Belt .. .. . | .. | .. | .. | 9  | 2 | 10 | 0 |
| Fan Blower No. 4. „ „ „ .. .. .                | .. | .. | .. | 10 | 2 | 15 | 0 |
| Fan Blower No. 6. For 2-inch Flat Belt .. .. . | .. | .. | .. | 16 | 5 | 0  | 0 |

## BELTING.

|                                                             |   |   |   |
|-------------------------------------------------------------|---|---|---|
| Twisted Leather Belting, with hook and eye .. .. . per Belt | o | 2 | 6 |
|-------------------------------------------------------------|---|---|---|

ROWNSON, DREW, AND CO.,

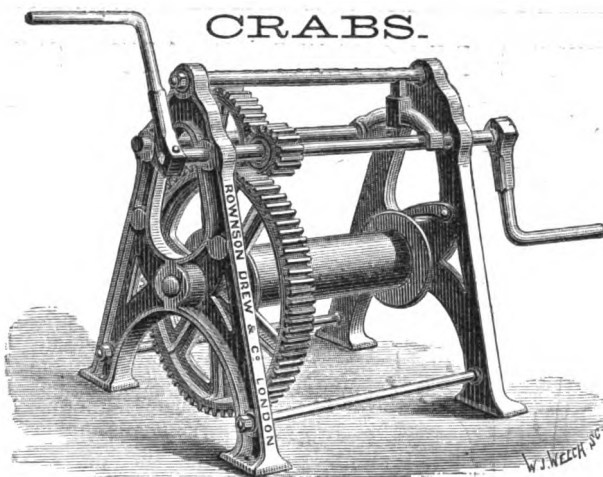
WHOLESALE AND EXPORT IRONMONGERS,

225, UPPER THAMES STREET, 113, QUEEN VICTORIA STREET, AND PAUL'S WHARF, LONDON, E.C.

## SINGLE PURCHASE.

| Size. | Will lift with<br>2 to 3 Sheave<br>Blocks. | Price. |
|-------|--------------------------------------------|--------|
| 1     | 2 Tons.                                    | 3 0 0  |
| 2     | 3                                          | 3 7 6  |
| 3     | 4                                          | 4 5 0  |
| 4     | 5                                          | 5 0 0  |
| 5     | 6                                          | 6 5 0  |
| 6     | 9                                          | 7 5 0  |

Brass Bushed, 25s. extra.

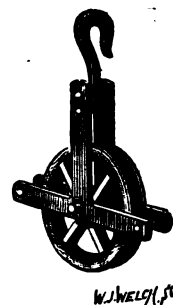
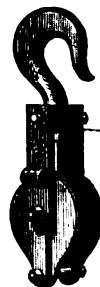
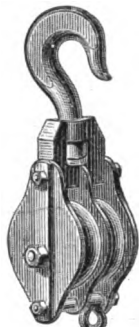
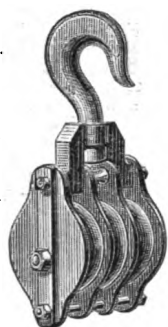


## DOUBLE PURCHASE.

| Size. | Will lift with<br>2 to 3 Sheave<br>Blocks. | Price.  |
|-------|--------------------------------------------|---------|
| 10    | 4 Tons.                                    | 5 5 0   |
| 11    | 5                                          | 6 0 0   |
| 12    | 6                                          | 7 7 6   |
| 13    | 9                                          | 8 5 0   |
| 14    | 12                                         | 10 0 0  |
| 15    | 15                                         | 13 12 0 |
| 16    | 18                                         | 17 5 0  |
| 17    | 24                                         | 21 0 0  |

Brass Bushed, 2 to 4 Tons,  
27s. 6d.; 6 to 8, 35s.;  
10 to 16, 40s. extra.

## VERY BEST TOWN MADE BLOCKS.



|          | 3 in. | 3½ in. | 4 in. | 4½ in. | 5 in. | 6 in. | 7 in. | 8 in. |
|----------|-------|--------|-------|--------|-------|-------|-------|-------|
| Single.. | 9 6   | 12 6   | 15 0  | 17 0   | 21 0  | 26 6  | 37 0  | 48 0  |
| Double   | 12 0  | 15 0   | 17 0  | 21 0   | 26 6  | 37 0  | 53 0  | 69 0  |
| Treble   | 14 0  | 17 0   | 20 0  | 27 6   | 32 0  | 48 0  | 63 0  | 90 0  |
| Snatch   | 14 0  | 17 0   | 22 6  | 24 0   | 29 0  | 34 0  | 42 6  | 53 0  |

Mounted Rubbish Wheels, 10 in., 8s.; 12 in., 8s. 6d.; 14 in., 9s. 6d.; 16 in., 11s.; 18 in., 13s.; 20 in., 14s. 6d.

## LIFTING JACKS.

## IMPROVED TRAVERSING JACK.

| No. | Height when<br>down. | Will traverse. | Will lift. | Price. |
|-----|----------------------|----------------|------------|--------|
| 1   | 20 in.               | 6½ in.         | 6 Tons.    | 6 10 0 |
| 2   | 24                   | 9              | 8          | 7 0 0  |
| 3   | 26                   | 12             | 12         | 7 15 0 |
| 4   | 27                   | 16             | 15         | 9 15 0 |
| 5   | 27                   | 22             | 20         | 12 5 0 |

## HALEY'S PATENT.

| No. | Will run out. | Will lift. | Price.  |
|-----|---------------|------------|---------|
| 1   | 13 in.        | 2 Tons.    | 4 10 0  |
| 2   | 13            | 4          | 5 0 0   |
| 3   | 13            | 6          | 5 15 0  |
| 4   | 13            | 8          | 7 0 0   |
| 5   | 13            | 10         | 8 0 0   |
| 6   | 14            | 12         | 9 0 0   |
| 7   | 14            | 16         | 15 0 0  |
| 8   | 15            | 20         | 18 10 0 |

## TRIPOD BOTTLE JACKS.

| No. | Height when<br>down. | Will lift. | Price. |
|-----|----------------------|------------|--------|
| 1   | 9 in.                | 1½ Tons.   | 1 4 0  |
| 2   | 12                   | 2          | 1 7 6  |
| 3   | 15                   | 3          | 1 12 0 |
| 4   | 18                   | 4          | 1 18 6 |
| 5   | 21                   | 5          | 2 5 0  |
| 6   | 24                   | 6          | 3 0 0  |
| 7   | 27                   | 8          | 3 13 0 |
| 8   | 30                   | 10         | 4 10 0 |
| 9   | 33                   | 12         | 5 10 0 |
| 10  | 36                   | 14         | 6 7 6  |
| 11  | 42                   | 16         | 6 17 6 |
| 12  | 48                   | 18         | 7 15 0 |

## TIMBER AND STONE JACKS.

| SINGLE PURCHASE, 2 TONS. | DOUBLE PURCHASE, 4 TONS. |
|--------------------------|--------------------------|
| Feet.                    | Feet.                    |
| 2                        | 2½                       |
| 2½                       | 3                        |
| 3                        | 3                        |
| 3 5 0                    | 5 18 6                   |
| 3 10 0                   | 6 5 0                    |
| 3 15 0                   |                          |

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